

CLAIMS:

1. A laminating apparatus for laminating an object to be laminated, comprising:
5 an upper chamber and a lower chamber which are partitioned by a diaphragm;
a heater board provided in said lower chamber; and
a diaphragm capable of freely expanding for pressurizing the object to be laminated mounted on said heater board,
10 wherein said diaphragm is constituted of butyl rubber.
2. The laminating apparatus according to claim 1,
wherein the composition of said butyl rubber comprises 100 to 0 parts by weight of halogenated butyl, 0 to 100 parts by weight of regular butyl, 1 to
15 5 parts by weight of magnesium oxide, 5 to 100 parts by weight of carbon black, 0 to 20 parts by weight of paraffin oil, 1 to 5 parts by weight of zinc oxide, 1 to 20 parts by weight of resin vulcanizing agent, and 0 to 10 parts by weight of processing aid.
- 20 3. The laminating apparatus according to claim 1, further comprising:
a holding means for holding the object to be laminated mounted on said heater board in a state that the object to be laminated is separated upward from an upper surface of said heater board while the object to be laminated is carried in.
- 25 4. The laminating apparatus according to claim 3,

wherein said holding means is configured to hold the object to be laminated in a state that the object to be laminated is separated upward from the upper surface of said heater board also while the object to be laminated is carried out.

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5. The laminating apparatus according to claim 1,
wherein the object to be laminated is a solar battery panel.